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 SOURCE Mus musculus (house mouse)
 ORGANISM Mus musculus
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 Puschel, A.W., Adams, R.H. and Betz, H.
 TITLE Murine semaphorin D/collapsin is a member of a diverse gene family and creates domains inhibitory for axonal extension
 JOURNAL Neuron 14 (5), 941-948 (1995)
 MEDLINE 95267431
 PUBMED 7748561
 REFERENCES 2 (bases 1 to 2433)
 AUTHORS Adams, R.H.
 TITLE Direct Submission
 JOURNAL Submitted (30-MAR-1995) R.H. Adams, Max-Dianck-Institute fuer Hirnforschung, Deutschordenstr. 46, D-60528 Frankfurt, FRG
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Db 2335 GACTCTGTGTGTGA 2349

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VERSION BC010701.1 GI:14715072
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ORGANISM Homo sapiens
REFERENCE
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1 (bases 1 to 2641)
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Moore T., Max J., Wang J., Heist F.,
Datchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Sapichenko L., Soares M.B., Bonaldo M.F., Casavant T.L.,
Schaefer T.E., Brownstein M.J., Uddin T.B., Toshiyuki S.,
Garnucci P., Prange C., Raha S.S., Loquellano N.A., Peters G.J.,
Abramson R.D., Mullany S.J., Bosak S.A., McEwan P.J.,
McKernan K.J., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalón D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,
Sanchez A., Whiting M., Madan A., Young A.C., Shvachenko Y.,
Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D.,
Dickson M.C., Rodriguez A.C., Greenwood J., Schmutz J., Myers R.M.,
Butterfield Y.S., Krzywinski M.I., Skalska U., Smalish D.E.,
Scherer A., Schein J.E., Jones S.J. and Marra M.A.
Generation and initial analysis of more than 15,000 full-length
human and mouse cDNA sequences
Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
22388257

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PUBMED REFERENCE AUTHORS TITLE JOURNAL

12477932
2 (bases 1 to 2641)
Strausberg, R.
Direct Submission
Submitted (10-JUL-2001) National Institutes of Health, Mammalian
Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
USA
NIH-MGC Project URL: <http://mgc.nci.nih.gov>
Contact: MGC help desk
Email: cgabs-remail.nih.gov
Tissue Procurement: ATCC
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (ILNLI)
DNA Sequencing by: Baylor College of Medicine Human Genome
Sequencing Center
Center code: BCM-HGSC
Web site: <http://www.hgsc.bcm.tmc.edu/cdna/>
Contact: amg@bcm.tmc.edu
Guanatone, P.H., Garcia, A.M., Lu, X., Hulyk, S.W., Louised, H.,
Kowis, C.R., Sneed, A.J., Martin, R.G., Muzny, D.M., Nantavati,
A.N., Gibbs, R.A.

REMARK COMMENT

Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/ILNLI at: <http://image.llnl.gov>
Series: IRAC Plate: 13 Row: C Column: 23
This clone was selected for full length sequencing because it
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gene CDS

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ORIGIN

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd

OM nucleic - nucleic search, using sw model

run on: October 8, 2004, 23:17:50 ; Search time 1274 Seconds
 (without alignments)
 10636.540 Million cell updates/sec

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Perfect score: 2673

Sequence: 1 atgccaccagccagggcagggt.....tcctgtgacctctgtgtgtga 2673

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 3340653 beqs, 2534783454 residues

Total number of hits satisfying chosen parameters: 66681306

Maximum DB seq length: 20000000000

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Post-processing: Minimum Match 0%
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

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3	2637.8	98.7	3781	13	US-10-206-915-453	Sequence 453, App 3
4	2637.8	98.7	3781	13	US-10-199-670-453	Sequence 453, App 4
5	2637.8	98.7	3781	13	US-10-201-868-453	Sequence 453, App 5
6	2637.8	98.7	3781	13	US-10-205-880-453	Sequence 453, App 6
7	2637.8	98.7	3781	13	US-10-208-024-453	Sequence 453, App 7
8	2637.8	98.7	3781	13	US-10-201-853-453	Sequence 453, App 8
9	2637.8	98.7	3781	13	US-10-174-561-453	Sequence 453, App 9
10	2637.8	98.7	3781	13	US-10-176-443-453	Sequence 453, App 10
11	2637.8	98.7	3781	13	US-10-176-749-453	Sequence 453, App 11
12	2637.8	98.7	3781	13	US-10-176-914-453	Sequence 453, App 12
13	2637.8	98.7	3781	13	US-10-176-915-453	Sequence 453, App 13
14	2637.8	98.7	3781	13	US-10-006-485A-252	Sequence 252, App 14

15	2637.8	98.7	3781.13	US-10-013-507A-252	Sequence 252, App
16	2637.8	98.7	3781.13	US-10-015-499A-252	Sequence 252, App
17	2637.8	98.7	3781.13	US-10-176-484-453	Sequence 453, App
18	2637.8	98.7	3781.13	US-10-180-550-453	Sequence 453, App
19	2637.8	98.7	3781.13	US-10-183-014-453	Sequence 453, App
20	2637.8	98.7	3781.13	US-10-187-738-453	Sequence 453, App
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22	2637.8	98.7	3781.13	US-10-187-883-453	Sequence 453, App
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25	2637.8	98.7	3781.13	US-10-194-464-453	Sequence 453, App
26	2637.8	98.7	3781.13	US-10-195-484-453	Sequence 453, App
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29	2637.8	98.7	3781.13	US-10-196-456-453	Sequence 453, App
30	2637.8	98.7	3781.13	US-10-196-744-453	Sequence 453, App
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32	2637.8	98.7	3781.13	US-10-196-757-453	Sequence 453, App
33	2637.8	98.7	3781.13	US-10-197-710-453	Sequence 453, App
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35	2637.8	98.7	3781.13	US-10-198-758-453	Sequence 453, App
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37	2637.8	98.7	3781.13	US-10-199-309-453	Sequence 453, App
38	2637.8	98.7	3781.13	US-10-199-313-453	Sequence 453, App
39	2637.8	98.7	3781.13	US-10-199-456-453	Sequence 453, App
40	2637.8	98.7	3781.13	US-10-201-329-453	Sequence 453, App
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42	2637.8	98.7	3781.13	US-10-206-919-453	Sequence 453, App
43	2637.8	98.7	3781.13	US-10-206-922-453	Sequence 453, App
44	2637.8	98.7	3781.13	US-10-206-924-453	Sequence 453, App
45	2637.8	98.7	3781.13	US-10-206-928-453	Sequence 453, App

ALIGNMENTS

RESULT 1
 US-09-946-374-252
 Sequence-252 Application-US/09946374
 Publication No. US20030073129A1
 GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K.
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE REFERENCE: P2830PIC1
 CURRENT APPLICATION NUMBER: US/09/946,374
 CURRENT FILING DATE: 2001-09-04
 PRIOR APPLICATION NUMBER: 60/098716
 PRIOR FILING DATE: 1998-09-01
 PRIOR APPLICATION NUMBER: 60/098723
 PRIOR FILING DATE: 1998-09-01
 PRIOR APPLICATION NUMBER: 60/098749
 PRIOR FILING DATE: 1998-09-01

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1 PRIOR APPLICATION NUMBER: 60/098750
 2 PRIOR FILING DATE: 1998-09-01
 3 PRIOR APPLICATION NUMBER: 60/098803
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 9 PRIOR APPLICATION NUMBER: 60/099536
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77	PRIOR FILING DATE: 1998-10-08
78	PRIOR APPLICATION NUMBER: 60/103711
79	PRIOR FILING DATE: 1998-10-08

Db 1914 TCAGCTGGCCACACAGGCCGCTGGATCCAGACATCGAGGAGCCAGCCCAAGACCTTTG 1973
 QY 1893 CAGCGGCTTGTGGTGTGTGTCCCGTCTTTTGTACCAAGAGGAGAACCATGTGAGCA 1952
 Db 1974 CAGCGGCTTGTGGTGTGTGTCCCGTCTTTTGTACCAAGAGGAGAACCATGTGAGCA 2033
 QY 1953 AGTCCAGTCCAGGCCCAACACAGTGAACATTTGGCTTGGCCGCTCTCTCCAACTGGC 2012
 Db 2034 AGTCCAGTCCAGGCCCAACACAGTGAACATTTGGCTTGGCCGCTCTCTCCAACTGGC 2093
 QY 2013 GACCCGACTCTGAGCTACGCAAGGAGGCCCGGCAATGCTGGGCTCTCTCCAGCTGT 2072
 Db 2094 GACCCGACTCTGAGCTACGCAAGGAGGCCCGGCAATGCTGGGCTCTCTCCAGCTGT 2153
 QY 2073 ACCCACTGGGAGACTGCTGCTGGTGGGCAACCAACAGCTGGGAGAGTCCAGTGTGTC 2132
 Db 2154 ACCCACTGGGAGACTGCTGCTGGTGGGCAACCAACAGCTGGGAGAGTCCAGTGTGTC 2213
 QY 2133 ACTAGAGAGGGCTTCCAGCAGTGTGATGCCAGCTACTGCCCAAGAGTGTGGAGAGCG 2192
 Db 2214 ACTAGAGAGGGCTTCCAGCAGTGTGATGCCAGCTACTGCCCAAGAGTGTGGAGAGCG 2273
 QY 2193 GGTGGCAGACCAAAACAGATGAGGATGGGAGGTAACCCGTCATTATCAGACATCCGCTGT 2252
 Db 2274 GGTGGCAGACCAAAACAGATGAGGATGGGAGGTAACCCGTCATTATCAGACATCCGCTGT 2333
 QY 2253 GAGTGCACACAGCTGTGGGCAAGGCGCAGCTGGGAGTCCAGACAGTCTTACTGGAAGAGTT 2312
 Db 2334 GAGTGCACACAGCTGTGGGCAAGGCGCAGCTGGGAGTCCAGACAGTCTTACTGGAAGAGTT 2393
 QY 2313 CCTGTGATGTGCAAGCTTTTGTGTGTGCTGGCGCTGCTCTCCAGTTTATTTCTTGTCTTA 2372
 Db 2394 CCTGTGATGTGCAAGCTTTTGTGTGTGCTGGCGCTGCTCTCCAGTTTATTTCTTGTCTTA 2453
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 Db 2454 CCGGACCCGGAACAGCATGAAGTCTTCTGAAAGAGGAGGGAATGTGCCAGGTGACCC 2513
 QY 2433 CAAGACCTGCTGTGTGTGCTGCTCCCTGAGACCCGCTCACTCAACGCGCTGAGGCGCC 2492
 Db 2514 CAAGACCTGCTGTGTGTGCTGCTCCCTGAGACCCGCTCACTCAACGCGCTGAGGCGCC 2573
 QY 2493 TAGCACCCCGCTCGATCAACCGAGGATACCAAGTCTCTGTGACAGACCCCGGAGGCGCC 2552
 Db 2574 TAGCACCCCGCTCGATCAACCGAGGATACCAAGTCTCTGTGACAGACCCCGGAGGCGCC 2633
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 Db 2634 AGTCTTCACTAGTGAAGAGAGGAGGCACTCAGCATCCAAACAGACTTCTGTGAGGTATC 2693
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 Db 2754 A 2754

RESULT 2
 US-10-015-395A-252
 Sequence 252, Application US/10015395A
 Publication No. US20040073015A1
 GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic
 FILE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: P2830P1C57
 CURRENT APPLICATION NUMBER: US/10/015.395A
 PRIOR APPLICATION: 2001-12-12
 NUMBER OF SEQ ID NOS: 477
 SEQ ID NO 252
 LENGTH: 3781
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-10-015-395A-252

Query Match 98.7%; Score 2637.8; DB 12; Length 3781;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 2639; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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 QY 93 GCGGCGGCTGAGTCCGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 152
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 QY 153 TCTCGAATGCTGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 212
 Db 234 TCTCGAATGCTGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 293
 QY 213 GCTGCGGCTTGGGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 272
 Db 294 GCTGCGGCTTGGGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 353
 QY 273 GCTTCCGAGCTTGGGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 332
 Db 354 GCTTCCGAGCTTGGGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 413
 QY 333 ATTCTCAGATTCGAGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 392
 Db 414 ATTCTCAGATTCGAGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 473
 QY 393 TGGCAGAGACCTTGAAGT 452
 Db 474 TGGCAGAGACCTTGAAGT 533
 QY 453 CTTCTTCCGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 512
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 QY 513 GCAGTGAGCTTCAAGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 572
 Db 594 GCAGTGAGCTTCAAGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 653
 QY 573 CTTGCGGCTCAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 632
 Db 654 CTTGCGGCTCAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 713
 QY 633 TACTTATCATCAATGAGAACTTCACTTGTGAGCAAGGAGCGGAGCGGAGCGGAGCT 692
 Db 714 TACTTATCATCAATGAGAACTTCACTTGTGAGCAAGGAGCGGAGCGGAGCGGAGCT 773
 QY 693 GGAAGATGGAAGGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 752
 Db 774 GGAAGATGGAAGGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCT 833
 QY 753 TGATGGGAGCTTACACTGGAACAGTCAAGCTTCAAGGAGCGGAGCGGAGCGGAGCT 812
 Db 834 TGATGGGAGCTTACACTGGAACAGTCAAGCTTCAAGGAGCGGAGCGGAGCGGAGCT 893

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